ELSEVIER

Biomembranes

Vol. 1279, 1996

BBA Biochimica et Biophysica Acta

Cumulative Contents

Information for Contributors *vii*

Rapid report

Polarity-dependent conformational switching of a peptide mimicking the S4-S5 linker of the voltage-sensitive sodium channel
O. Helluin, J. Breed and H. Duclohier (France, UK) 1

Regular papers

The effect of high external pressure on DPPC-cholesterol multilamellar vesicles: a pressure-tuning Fourier transform infrared spectroscopy study
O. Reis, R. Winter and T.W. Zerda (Germany, USA) 5

Anomalous phase behavior of long chain saturated lecithin bilayers
W.-J. Sun, S. Tristram-Nagle, R.M. Suter and J.F. Nagle (USA) 17

Triggerable plasmalogen liposomes: improvement of system efficiency
D.H. Thompson, O.V. Gerasimov, J.J. Wheeler, Y. Rui and V.C. Anderson (USA) 25

The role of thiols in ATP-dependent transport of *S*-(2,4-dinitrophenyl)glutathione by rat liver plasma membrane vesicles
Y. Matsuda, L.F. Epstein, Z. Gatmaitan and I.M. Arias (USA) 35

Activation of Na^+/K^+-ATPase by fatty acids, acylglycerols, and related amphiphiles: structure–activity relationship
M.G. Jack-Hays, Z. Xie, Y. Wang, W.-H. Huang and A. Askari (USA) 43

Fluctuations in IR spectral parameters detected in mixed acyl chain membranes of *Acholeplasma laidlawii* B
D.J. Moore, A. Gericke and R. Mendelsohn (USA) 49

Interactions of annexin V with phospholipid monolayers
S. Mukhopadhyay and W. Cho (USA) 58

The water adsorption characteristics of charged phospholipids
G.L. Jendrasiak, R.L. Smith and W. Shaw (USA) 63

Antitumor activity of vincristine encapsulated in glucuronide-modified long-circulating liposomes in mice bearing Meth A sarcoma
Y. Tokudome, N. Oku, K. Doi, Y. Namba and S. Okada (Japan) 70

Poly(ethylene glycol)-coated anti-cardiac myosin immunoliposomes: factors influencing targeted accumulation in the infarcted myocardium
V.P. Torchilin, J. Narula, E. Halpern and B.A. Khaw (USA) 75

Expression of insulin-like growth factor (IGF)-I receptors, IGF-II/cation-independent mannose 6-phosphate receptors (CI-MPRs), and cation-dependent MPRs in polarized human intestinal Caco-2 cells
N.M. Dahms, B. Seetharam and D.A. Wick (USA) 84

Conducting and voltage-dependent behaviors of potassium ion channels reconstituted from diaphragm sarcoplasmic reticulum: comparison with the cardiac isoform
M. Picher, A. Decrouy and E. Rousseau (Canada) 93

Two pathways for electrogenic bicarbonate ion movement across the rabbit corneal endothelium
C.G. Wigham, H.C. Turner, K.C.C. Ogbuehi and S.A. Hodson (UK) 104

Proton/solute cotransport in rat kidney brush-border membrane vesicles: relative importance to both D-glucose and peptide transport
S. Vayro and N.L. Simmons (UK) 111

Rapid reports

Components of the lateral pressure in lipid bilayers deduced from H_{II} phase dimensions
D. Marsh (Germany) 119

Transport of the antibacterial agent (6*S*)-6-fluoroshikimate and other shikimate analogues by the shikimate transport system of *Escherichia coli*
D.A. Jude, C.D.C. Ewart, J.L. Thain, G.M. Davies and W.W. Nichols (UK) 125

Regular papers

Expressed human hippocampal ASCT1 amino acid transporter exhibits a pH-dependent change in substrate specificity

B.K. Tamarappoo, K.K. McDonald and M.S. Kilberg (USA) 131

Target-sensitive immunoerythrocytes: interaction of biotinylated red blood cells with immobilized avidin induces their lysis by complement
V.R. Muzykantov, A.B. Zaltsman, M.D. Smirnov, G.P. Samokhin and B.P. Morgan (Russia, UK, USA) 137

Sequential ordered mechanism for the sodium-glutamate transport in intestinal brush border membrane vesicles
G. Prezioso and V. Scalera (Italy) 144

Properties of a Na^+/galactose(glucose) symport system in *Vibrio parahaemolyticus*
R.I. Sarker, W. Ogawa, M. Tsuda, S. Tanaka and T. Tsuchiya (Japan) 149

Cloning and sequencing of the monocarboxylate transporter from mouse Ehrlich Lettré tumour cell confirms its identity as MCT1 and demonstrates that glycosylation is not required for MCT1 function
L. Carpenter, R.C. Poole and A.P. Halestrap (UK) 157

The transverse location of the fluorescent probe *trans*-parinaric acid in lipid bilayers
M. Castanho, M. Prieto and A.U. Acuña (Portugal, Spain) 164

Impedance analysis of supported lipid bilayer membranes: a scrutiny of different preparation techniques
C. Steinem, A. Janshoff, W.-P. Ulrich, M. Sieber and H.-J. Galla (Germany) 169

Direct measurement of ion distributions between lipid membranes with X-ray diffraction
S. Kirchner (Germany) 181

Thermodynamics of transfer of cholesterol from gel to fluid phases of phospholipid bilayers
C.H. Spink, S. Manley and M. Breed (USA) 190

Laurdan fluorescence spectroscopy reveals a single liquid-crystalline lipid phase and lack of thermotropic phase transitions in the plasma membrane of living human sperm
S. Palleschi and L. Silvestroni (Italy) 197

Activation of the sarcoplasmic reticulum Ca^{2+}-ATPase induced by exercise
D.A. Ferrington, J.C. Reijneveld, P.R. Bär and D.J. Bigelow (USA, The Netherlands) 203

Regulation of plasma membrane H^+-ATPase from corn-root by Mg^{2+} and pH
M.S. Costa and L. De Meis (Brazil) 214

A possible role of the ATP-sensitive potassium ion channel in determining the duration of spike-bursts in mouse pancreatic β-cells
W.-G. Ding, L.-P. He (Rihei Kai), M. Omatsu-Kanbe and H. Kitasato (Japan) 219

Oligonucleotide targeting to alveolar macrophages by mannose receptor-mediated endocytosis
W.W. Liang, X. Shi, D. Deshpande, C.J. Malanga and Y. Rojanasakul (USA) 227

The effect of side-chain analogues of cholesterol on the thermotropic phase behavior of 1-stearoyl-2-oleoylphosphatidylcholine bilayers: a differential scanning calorimetric study
C. Vilchèze, T.P.W. McMullen, R.N. McElhaney and R. Bittman (USA, Canada) 235

Glycoalkaloids selectively permeabilize cholesterol containing biomembranes
E.A.J. Keukens, T. De Vrije, L.A.M. Jansen, H. De Boer, M. Janssen, A.I.P.M. De Kroon, W.M.F. Jongen and B. De Kruijff (The Netherlands) 243

Interaction between α-tocopherol and heteroacid phosphatidylcholines with different amounts of unsaturation
M.P. Sánchez-Migallón, F.J. Aranda and J.C. Gómez-Fernández (Spain) 251

Coating liposomes with collagen (M_r 50000) increases uptake into liver
M.J. Fonseca, M.A. Alsina and F. Reig (Spain) 259

Cumulative Contents, Vol. 1279 267

Author Index 269